ingenium*

Bes

www.besknx.com

ingenium Bes *

www.besknx.com

BES, Ingenium's KNX commitment

KNX ®

ingenium
www.ingeniumsl.com

Ingenium HQ in Asturias, Spain.

BES, Ingenium's KNX commitment

After more than two decades of activity, **Ingenium** continues with its activity of **development, design and manufacture** of home automation solutions, and 100% of this activity is carried out at the headquarters in **Asturias, Spain.** All this time has served to strengthen Ingenium product line based on BUSing protocol, as well as to evolve **KNX BES** line or to complement **Wings** wireless range, which allows any BUSing wired installation to be extended. The ZBus product line for zoned air conditioning control is also emerging as a business line with great potential and interest. Since 2020, Ingenium has been developing **new IoT devices** that allow Ingenium to evolve in an agile way in this changing and innovative market. A family of **new IoT sensors for CO_2 measurement or the connectable thermostats** are a perfect example of this.

BES KNX product line continues to evolve, and this catalog includes all of **Ingenium's KNX** product portfolio from a commercial view. The range of **BES KNX** solutions continues his growth with the intention of covering all types of home automation installations that require KNX solutions. We leave you some of them.

New VIIP screens with SIP support

This 2022 version of BES KNX catalog includes all the new references of the **new VIIP home automation screen,** with **integrated video intercom system functionality,** support for **SIP installations and call forwarding.** A screen with an extremely slim design, available in 7.1" or 10.1", and with **different network interfaces** such as Wi-Fi connection and / or up to two ethernet connectors. At visualization level, it allows to show the KNX installation in plans with customizable images, or organized by rooms, so that the client can choose the option that is most comfortable for him and design it to his liking through the mobile applications for iOS or Android. More information on page 19.

As a complement to the new family of VIIP screens, an **IoT web server** is added in DIN lane format with support for **call forwarding** in installations with SIP video intercom, in addition to having native support for third-party integration, and many other functionalities.

Thermostats and CO2 detectors

Regarding **CUBIK** temperature and humidity sensors range, there are added references incorporating **CO_2 measurement** to TH and TL models, which allow controlling **air quality** in the room in which they are installed. With this new version of CUBIK sensors, Ingenium is committed to innovation and adaptability to new times, where air quality control becomes very important, especially in closed spaces. More information on page 12.

A new **temperature and humidity** sensor, **CUBIK-TLR,** has been added to the **CUBIK thermostats family,** with an attractive circular panel at the top that allows controlling the desired temperature, as well as different operating modes. It has also 8 programmable touch areas. More information on page 13.

Visualization

Integrations

Energy Efficiency
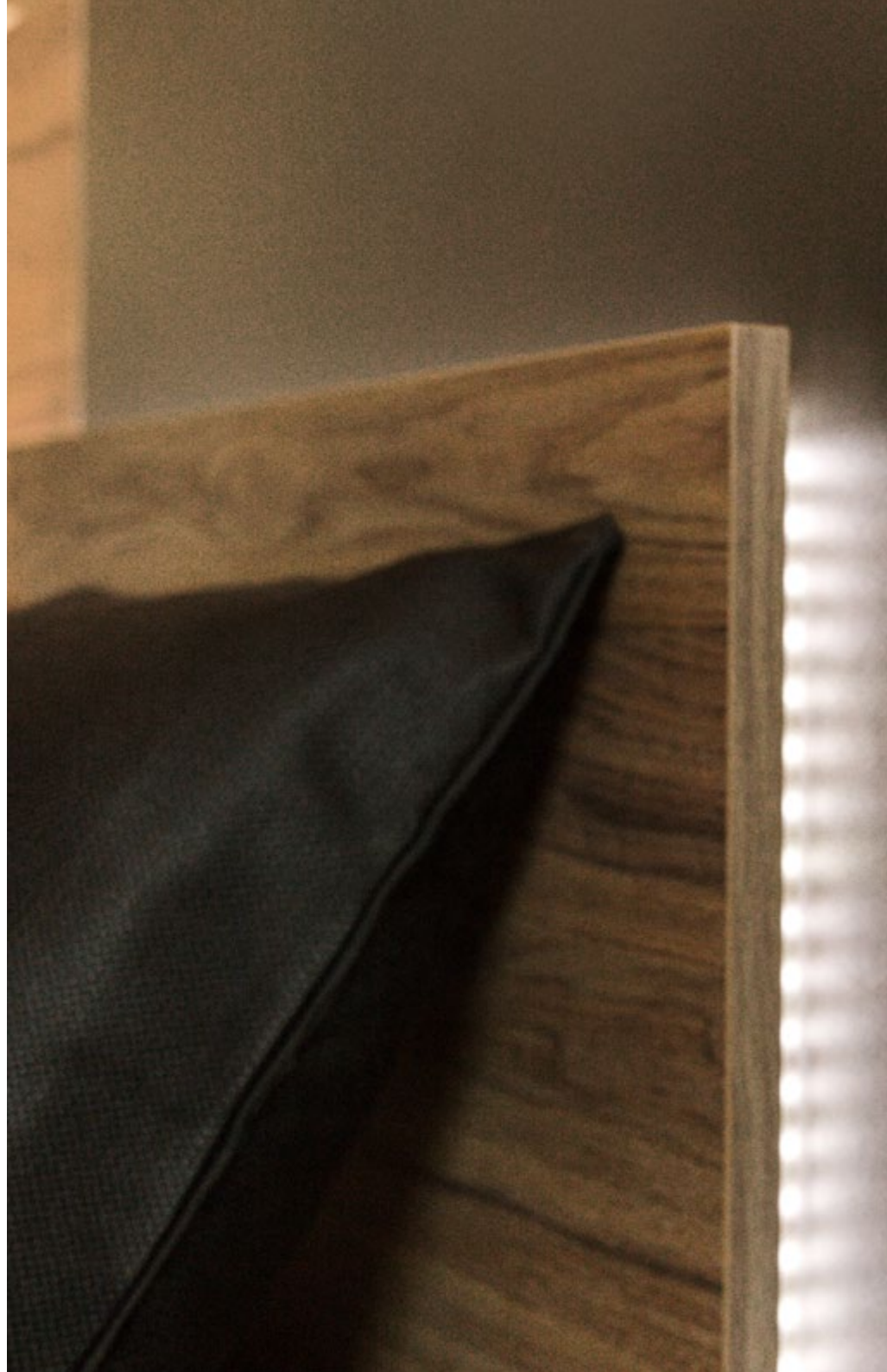
Technical Alarms

Lighting

Supply

Presence

Blinds

Clima

www.besknx.com

INDEX

*Push-buttons & thermostats

*

Cubik V8	Cubik T
Cubik V6	Cubik TH
Cubik SQ6	Cubik TL
Cubik SQ4	Cubik TLR
Cubik SQ2	

:Cubik by ingenium

PUSH-BUTTONS

The new CUBIK series has several models with different number of touch areas.

A LED light indicator is associated with each of these areas.

There are two sizes depending on the model: square format and vertical rectangular format.

They incorporate built-in temperature and humidity sensors capable of sending the information to the KNX BUS.

Design tool:

Glasses:

CUBIK Capriccio SQ: GL310000

CUBIK Capriccio V: GL320000

CUBIK V8

Capacitive push-button with 8 independent touch areas, completely programmable. LED indicator associated with each touch area.

Vertical rectangular format. Mounting on universal mechanism box.

Built-in temperature sensor with PI thermostat for better energy efficiency and comfort. On/Off, PWM or continuous temperature controller for main heat/cool system and additional.

Buil-in humidity sensor with dew point measurement according to relative humidity and temperature.

Arithmetic Logic Unit and timers/counters.

CUBIK V6

Capacitive push-button with 6 independent touch areas, completely programmable. LED indicator associated with each touch area.

Vertical rectangular format. Mounting on universal mechanism box.

Built-in temperature sensor with PI thermostat for better energy efficiency and comfort. On/Off, PWM or continuous temperature controller for main heat/cool system and additional.

Buil-in humidity sensor with dew point measurement according to relative humidity and temperature.

Arithmetic Logic Unit and timers/counters.

	CUBIK V8	CUBIK V6
Basic	White: PL128100	White: PL126100
Front glass fixed, white or black.	Black: PL128200	Black: PL126200
Design	White: PL228100	White: PL226100
Front glass fixed, print customizable.	Black: PL228200	Black: PL226200
Capriccio	White: PL328100	White: PL326100
Front glass interchangeable, print customizable.	Black: PL328200	Black: PL326200

CUBIK SQ6

Capacitive push-button with 6 independent touch areas, completely programmable. LED indicator associated with each touch area.

Square format. Mounting on universal mechanism box.

Built-in temperature sensor with PI thermostat for better energy efficiency and comfort. On/Off, PWM or continuous temperature controller for main heat/cool system and additional.

Buil-in humidity sensor with dew point measurement according to relative humidity and temperature.

Arithmetic Logic Unit and timers/counters.

CUBIK SQ4

Capacitive push-button with 4 independent touch areas, completely programmable. LED indicator associated with each touch area.

Square format. Mounting on universal mechanism box.

Built-in temperature sensor with PI thermostat for better energy efficiency and comfort. On/Off, PWM or continuous temperature controller for main heat/cool system and additional.

Buil-in humidity sensor with dew point measurement according to relative humidity and temperature.

Arithmetic Logic Unit and timers/counters.

CUBIK SQ2

Capacitive push-button with 2 independent touch areas, completely programmable. LED indicator associated with each touch area.

Square format. Mounting on universal mechanism box.

Built-in temperature sensor with PI thermostat for better energy efficiency and comfort. On/Off, PWM or continuous temperature controller for main heat/cool system and additional.

Buil-in humidity sensor with dew point measurement according to relative humidity and temperature.

Arithmetic Logic Unit and timers/counters.

CUBIK SQ6	CUBIK SQ4	CUBIK SQ2
White: PL116100	White: PL114100	White: PL112100
Black: PL116200	Black: PL114200	Black: PL112200
White: PL216100	White: PL214100	White: PL212100
Black: PL216200	Black: PL214200	Black: PL212200
White: PL316100	White: PL314100	White: PL312100
Black: PL316200	Black: PL314200	Black: PL312200

THERMOSTATS

With or without graphical interface. They include temperature and humidity sensors. Versions available with CO_2 measurement on TH and TL models.

Glasses:

CUBIK Capriccio SQ: GL310000

CUBIK Capriccio V: GL320000

Design tool:

CUBIK-T / CUBIK-TH

Thermostat for temperature control of one independent air conditioning area.

Includes PI regulator for controlling temperature with higher accuracy for better energy efficiency and comfort

On/Off, PWM or continuous temperature controller for main and additional heat/cool system.

Easy Logic Unit.

CUBIK-TH includes humidity sensor. Dew point measurement according to relative humidity and temperature.

CUBIK-TL

Thermostat with LED indicators for the control of one air conditioning area.

Eight completely programmable independent touch areas.

Includes a discretized PI regulator to achieve greater comfort and energy savings.

Built-in humidity sensor.

Dew point measurement according to relative humidity and temperature.

Arithmetic Logic Unit and timers/counters.

	CUBIK-T Without CO_2	CUBIK-TH Without CO_2 / With CO_2	CUBIK-TL Without CO_2 / With CO_2
Basic Front glass fixed, white or black.	White: SR591110 Black: SR591120	White: SR591310 / SR591311 Black: SR591320 / SR591321	White: SR591210 / SR591211 Black: SR591220 / SR591221
Design Front glass fixed, print customizable.	White: SR592110 Black: SR592120	White: SR592310 / SR592311 Black: SR592320 / SR592321	White: SR592210 / SR592211 Black: SR592220 / SR592221
Capriccio Front glass interchangeable, print customizable.	White: SR593110 Black: SR593120	White: SR593310 / SR593311 Black: SR593320 / SR593320	White: SR593210 / SR593211 Black: SR593220 / SR593221

CUBIK-TLR

Thermostat with LED indicators for the control of one air conditioning area.

Eight completely programmable independent touch areas, plus thermostat controls in the upper area of the device to control working modes or fan speeds.

Includes a discretized PI regulator to achieve greater comfort and energy savings.

Built-in humidity sensor. Dew point measurement according to relative humidity and temperature.
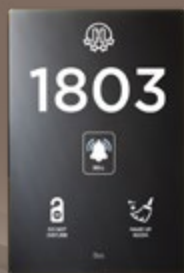
Arithmetic Logic Unit and timers/counters.

CUBIK-TLR
Without CO_2

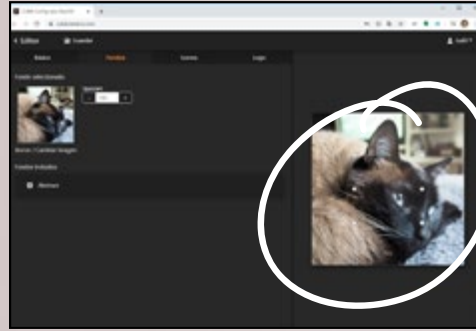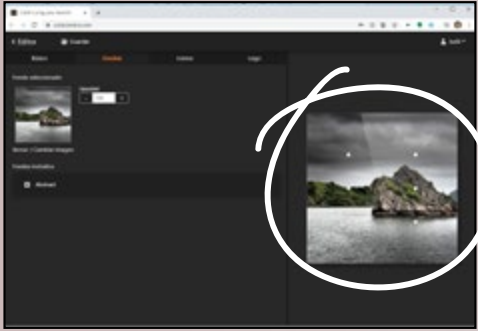Blanco: SR591410

Negro: SR591420

Blanco: SR592410

Negro: SR592420

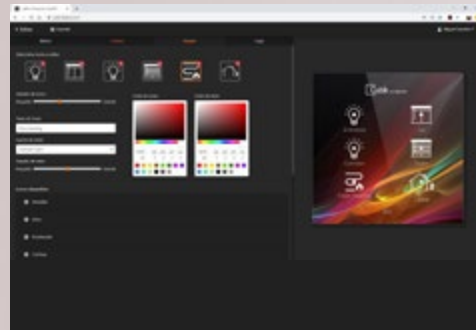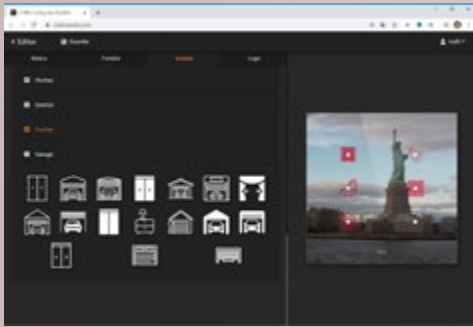# And for a hotel room?

Discover our CUBIK-VH series for hotels on page 57.

Choose your background images

Select and edit your icons
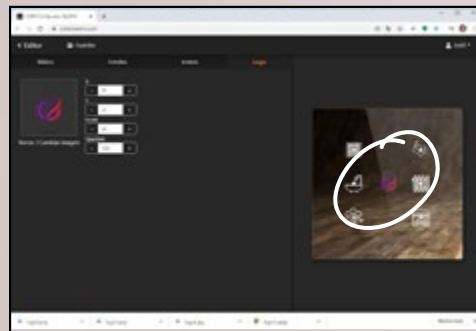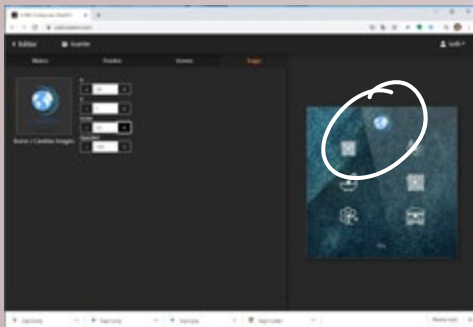
Add your logo

...and much more

**Customize 100%
your Cubik
with our online tool**

https://cubik.besknx.com/

Entrance

Up

Corridor

Down

Fan

Security

Bes
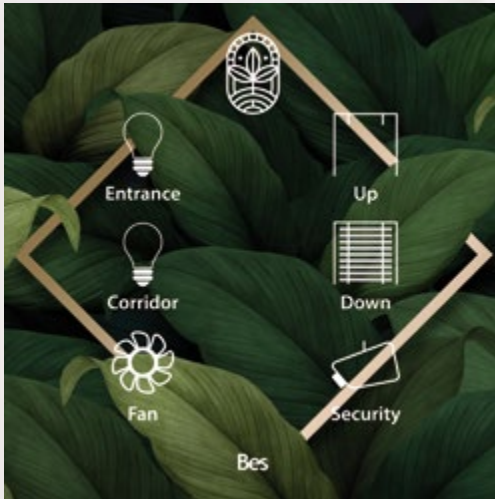
Design tool:

*Visualization

*VIIP7 - SIP   TRMD-K
VIIP10 - SIP   ETHBUS-K-IoT
SmartTouch 2   ETHBUS4-K

: entering the future...

advanced home automation control and video intercom in a single touch device

Color capacitive touch screen with SIP video intercom support

VIIP

Color capacitive touch screen with SIP video intercom support that also includes monitoring and control of a KNX installation. Available in 7,1" and 10,1".

Visualization by plans or by rooms totally configurable by the user.

Possibility of call forwarding to mobile.

Versions available with WiFi, and / or up to 2 Ethernet network interfaces.

Incorporates web server for remote control from the free Ingenium Apps for iOS or Android.

It allows users creating scenes and programming annual timings, technical alarms or emails, push notifications, etc.

Supports arithmetic and logic unit and scripting.

Compatible with Google Home and Alexa. Native integration with devices of other protocols such as ZWave, Zigbee, etc.

IFTTT Support, and MQTT Broker. Possibility of configuration as a Modbus client or server.

Support for Python programming, intended for advanced user scripting.

	Wi-Fi	Wi-Fi + 1xRJ45	Wi-Fi + 2xRJ45
7,1"	White: DS170100	White: DS171100	White: DS172100
	Black: DS170200	Black: DS171200	Black: DS172200
10,1"	White: DS110100	White: DS111100	White: DS1112100
	Black: DS110200	Black: DS111200	Black: DS112200

SmartTouch 2

4.3" capacitive and vertical touch screen for controlling and monitoring a KNX installation.

Renovated design, more compact, all-in-one and with a 100% customizable front glass in line with the CUBIK product family.

Curved rear for easy wall mounting. Surface installation with the adapter plate included for fixing to a universal mechanism box.

The electronics have also been completely redesigned, adding more power and processor capacity, resulting in greater fluidity and a better user experience.

It includes WiFi connectivity, and Web server for remote control from Ingenium free apps (iOS or Android).

Compatible with Google Home and Alexa.

In-built temperature sensor with thermostat. Supports weekly timings for thermostat configuration.

It allows programming timings, sending alarm emails and push notifications, etc.

32 control icons distributed in 4 pages.

Fully customizable appearance by software.

Logical unit and scripts included.

Technical alarms support.

White: DS343120

Black: DS343220

TRMD-K

KNX vertical thermostat, with large touch area and integrated 2.8" screen to manage an independent climate zone. It includes speed control, modes, measured temperature, setpoint temperature, etc.

Supports weekly timings for thermostat configuration. In-built temperature sensor with thermostat.

Menu with options for themes of appearance, brightness, language, etc.

It incorporates PI automatic regulation algorithms to control the temperature with greater precision, improving comfort and energy saving.

On/Off, PWM or continuous temperature controller, which allows control of the main and additional cold / heat systems.

Arithmetic logical unit and timers.

Basic	White: DS421100	
	Black: DS421200	
Design	White: DS422100	
	Black: DS422200	

White mounting box: DS940100

Black mounting box: DS940200

ETHBUS-K-IoT

Web server for remote control from Ingenium free apps (iOS or Android) and from a web browser.

Visualization by plans or by rooms totally configurable by the user.

SIP video intercom support with possibility of call forwarding to mobile.

Integrated WiFi, and Ethernet network interface.

It allows users creating scenes and programming annual timings, technical alarms or emails, push notifications, etc.

Supports arithmetic and logic unit and scripting.

Compatible with Google Home and Alexa. Native integration with devices of other protocols such as ZWave, Zigbee, etc.

IFTTT Support, and MQTT Broker. Possibility of configuration as a Modbus client or server.

Support for Python programming, intended for advanced user scripting.

DS203000

ETHBUS4-K

Web server for remote control from Ingenium free apps (iOS or Android) and from a web browser.

Visualization by plans or by rooms totally configurable by the user.

Integrated WiFi, and Ethernet network interface.

It allows users creating scenes and programming annual timings, technical alarms or emails, push notifications, etc.

Supports arithmetic and logic unit and scripting.

Compatible with Google Home and Alexa.

Possibility of configuration as a Modbus server.

DS202020

*Inputs
Outputs

*

2E2S-K	6E4S-K-30A
3E2S-K	7S-K
4E-K	9S-K
4E4SL-K	16S-K
6E4S-K-16A	22S-K

2E2S-K

Binary actuator with 2 potential-free relay outputs with a cutting power of 16A @ 230V each one.

Multifunction programming.
Outputs work simultaneously or independently in different modes (binary outputs, blinds, etc.).

2 low-voltage digital inputs for connecting conventional pushbuttons or switches.

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT422220

3E2S-K

Binary actuator with 2 potential-free relay outputs with a cutting power of 16A @ 230V each one.

Multifunction programming.
Outputs work simultaneously or independently in different modes (binary outputs, blinds, etc.).

3 low-voltage digital inputs for connecting conventional pushbuttons or switches.

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT423220

4E-K

4 low-voltage digital inputs for connecting conventional pushbuttons or switches.

Programmable inputs for working simultaneously or independently in different modes (binary inputs, blinds, dimmers, etc).

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT454020

4E4SL-K

Binary actuator with 4 SELV outputs for the control of 5Vdc signalling LEDs.

4 low-voltage digital inputs for connecting conventional pushbuttons or switches.

Inputs work simultaneously or independently in different modes (binary outputs, blinds,dimmers, etc.).

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT454420

6E4S-K

Binary actuator with 4 potential-free relay outputs with a cutting power of 16A or 30A @ 230V each one.

Multifunction programming.
Outputs work simultaneously or independently in different modes (binary outputs, blinds, fan-coil, etc.).

6 low-voltage digital inputs for connecting conventional pushbuttons or switches.

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

16 amps: 6E4S-K-16A

CT416420

Manual control: CT416440

30 amps: 6E4S-K-30A*

CT416430

* This reference allows manual control.

7S-K

KNX climate zone actuator with 7 outputs (18V DC)

Device for controlling motorized grilles to zoning the air conditioning of a KNX installation.

It has 7 independent channels, corresponding to each zone/grill.

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT430720

9S-K

Binary actuator with 9 potential-free relay outputs with a cutting power of 16A @ 230V each one.

Multifunction programming.
Outputs work simultaneously or independently in different modes (binary outputs, blinds, fan-coil, etc.).

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT430920

Manual control: CT430940

16S-K

Binary actuator with 16 potential-free relay outputs with a cutting power of 16A @ 230V each one.

Multifunction programming.
Outputs work simultaneously or independently in different modes (binary outputs, blinds, fan-coil, etc.).

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT431620

Manual control: CT431640

22S-K

Binary actuator with 22 potential-free relay outputs with a cutting power of 16A @ 230V each one.

Multifunction programming.
Outputs work simultaneously or independently in different modes (binary outputs, blinds, fan-coil, etc.).

Arithmetic-logic unit and timers/counters.

Programming by ETS parameter application.

CT432220

Manual control: CT432240

*Dimmers

*
RKU1S200
RKU2S200
RKU3S200
RK0104C
RK1103C
RK1102C

RGBWL-K
DMXBUS-K
DALIK
DALIK-BRD3

Universal dimmers

RKU1S200

1 channel universal dimmer.

200W maximum output power.

Suitable for all types of lighting: incandescent, halogen or LED.

Easy and functional configuration: ramps, staircase timers, scenes, etc.

Built-in mounting in universal distribution box.

DM470120

RKU2S200

2 channel universal dimmer.

200W maximum output power for each channel.

Suitable for all types of lighting: incandescent, halogen or LED.

2 inputs for conventional pushbutton control.

Easy and functional configuration: ramps, staircase timers, scenes, etc.

DM470220

RKU3S200

3 channel universal dimmer.

200W maximum output power for each channel.

Suitable for all types of lighting: incandescent, halogen or LED.

3 inputs for conventional pushbutton control.

Easy and functional configuration: ramps, staircase timers, scenes, etc.

DM470322

0-10V

RK0104C

4 channels dimmer.

Suitable for 0-10Vdc lighting control or AC units with 0-10V interface.

Simple and functional parameterization: ramps, staircase timers, scenes, etc.

DM460400

1-10V

RK1103C

3 channels dimmer.

16 A maximum output power per channel.

Suitable for 1-10Vdc lighting control.

Simple and functional parameterization: ramps, staircase timer, scenes, etc.

DM460300

RK1102C

2 channels dimmer.

1 A maximum output power per channel.

Suitable for 1-10Vdc lighting control.

Simple and functional parameterization: ramps, staircase timer, scenes, etc.

Built-in mounting, in universal distribution box or in false ceiling next to the ballast 1-10 Vdc.

DM460200

RGBW

RGBWL-K

Dimmer for RGBW LED modules (12V to 24V).

Possibility of controlling 4 monochromatic channels individually or simultaneously for RGBW.

Allows to dim brightness or choose from the whole color range with pushbuttons.

Easy configuration of up to 8 scenes and 8 color sequences.

Built-in on universal distribution box.

DM480440

DMX

DMXBUS-K

Bi-directional communication gateway between KNX protocol and DMX512 protocol.

Allows to control DMX devices from the KNX system, being possible to choose between master or slave mode.

Control up to 48 DMX channels simultaneously.

Possibility to program and execute up to 8 scenes and 8 sequences.

GW612110

DALI

DALIK

Gateway between KNX and DALI protocols.

DALI power source integrated.

Allows to control 64 lights and 16 groups from the KNX system.

Supports emergency lights.

Multiple functionalities for each light: dimmering, on/off, scenes, failure warnings, etc.

GW611100

DALIK-BRD3

Gateway between KNX and DALI protocols.

DALI power supply integrated.

It allows to control 3 channels and up to 64 ballasts by broadcast orders, being possible to split number of ballast per channel as interested.

Ability to configure up to 64 scenes.

3 inputs available for conventional pushbutton control.

Possibility of using it as an autonomous device.

GW610300

*Sensors

SIFKNX
SIFKNX-S

SIFLUX
SIFLUX-S
SRKNX

SIFKNX

Presence infrared detector with brightness sensor.

Built-in and discreet installation with 360º detection.

2 detection channels.

Suitable for lighting control by threshold, motion detection, intrusion control, etc.

Also available in black color.

○   White: SR510000

●   Black: SR510200

SIFKNX-S

Presence infrared detector with brightness sensor.

Surface installation with 360º detection.

2 detection channels.

Suitable for constant brightness control, motion detection, intrusion control, etc.

○   White: SR511000

SIFLUX

Presence infrared detector with constant regulation.

Allows to keep a constant lighting level in a room, working together with a dimmer.

Built-in and discreet installation with 360º detection.

2 detection channels.

Suitable for constant brightness control, motion detection, intrusion control, etc.

Incorporates temperature sensor for additional measurement.

○ White: SR530000

SIFLUX-S

Presence infrared detector with constant regulation.

Allows to keep a constant lighting level in a room, working together with a dimmer.

Surface and discreet installation with 360º detection.

2 detection channels.

Suitable for constant brightness control, motion detection, intrusion control, etc.

Incorporates temperature sensor for additional measurement.

○ White: SR531000

SRKNX

Presence detector with radio-frequency technology for hidden installation.

360º detection through non-metallic surfaces for installation in technical and false ceilings.

Safe against sabotage and non-desired manipulation due to its hidden installation.

2 detection channels.

Suitable for lighting, motion detection, intrusion control, etc.

SR570000

*Conventional sensors

*ING-SIF
ING-DTV
ING-SIN-3H

ING-SIF

Infrared movement sensor 12 Vdc.

Embedded.

Requires a digital input connection (e.g CT454020).

ING-DTV

Fire thermovelocimetric detector.

Requires a digital input connection (e.g. CT454020).

Surface mounted.

ING-SIN-3H

Flooding sensor.

3 wires.

12Vdc-32Vdc supply required.

Requires a digital input connection (e.g CT454020).

* Clima

DKAC-K	MDAC-K
DKAC-D	PNAC-K
MBAC-K	IRKNX
LGAC-K	IRKNX-BI
LGAC-D	

DKAC-K

Gateway between KNX protocol and Daikin air conditioning system.

Integrates an indoor Daikin climate unit (SKY or VRV series) with KNX system.

5 operating modes (auto, heat, cold, ventilation and dry).

3 fan speeds (low, medium, high).

Includes energy saving mode.

Arithmetic-logic unit and timers/counters.

GW630100

DKAC-D

Gateway between KNX protocol and Daikin air conditioning system.

Integrates an indoor Daikin climate unit with KNX system.

5 operating modes (auto, heat, cold, ventilation and dry).

3 fan speeds (low, medium, high).

Includes energy saving mode.

Arithmetic-logic unit and timers/counters.

GW630200

MBAC-K

Gateway between KNX protocol and Mitsubishi air conditioning system.

Integrates an indoor Mitsubishi climate unit with KNX system through CN105 connector.

5 operating modes (auto, heat, cold, ventilation and dry).

3 fan speeds (low, medium, high).

Includes energy saving mode.

Arithmetic-logic unit and timers/counters.

GW631100

* Check compatibility of each gateway in the lists published on our website.

LGAC-K

Gateway between KNX and LG HVAC protocols.

Integrates LG systems (VRV series) with the KNX system.

Possibility of controlling up to 64 interior units.

5 working modes (cooling, heating, ventilation, drying and auto).

4 fan speeds (low, medium, high and auto).

GW632220

LGAC-D

Gateway between KNX and LG HVAC protocols.

Integrates LG systems (VRF series) with the KNX system.

Direct connection to LG indoor unit.

5 working modes (cooling, heating, ventilation, drying and auto).

4 fan speeds (low, medium, high and auto).

GW632100

* Check compatibility of each gateway in the lists published on our website.

MDAC-K

Gateway between KNX protocol and Midea air conditioning system.

Integrates an indoor Midea climate unit with KNX systems.

5 operating modes (auto, heat, cold, ventilation, dry).

3 fan speeds (low, medium, high).

Includes energy saving mode.

Arithmetic-logic unit and timers/counters.

GW633100

Midea®

PNAC-K

Gateway between KNX protocol and Panasonic air conditioning system.

Integrates an indoor Panasonic climate unit (series ECOi or PACi) with KNX systems through 2 wires with polarity connection.

5 operating modes (auto, heat, cold, ventilation, dry).

3 fan speeds (low, medium, high).

Includes energy saving mode.

Arithmetic-logic unit and timers/counters.

GW634100

Panasonic

* Check compatibility of each gateway in the lists published on our website.

IRKNX

Infrared transmitter with memory for 255 codes.

Substitutes the infrared remote control of any device and integrates the control in the KNX system.

Allows to control many devices with the same transmitter.

Hidden installation in a mechanism box with
a mini-jack-wire transmitter for controlling the device.

GW640000

IRKNX-BI

Bidirectional emitter and receiver of infrared codes
for control of either IR devices from KNX and KNX devices from infrared devices.

Allows controlling multiple IR devices from
the same equipment.

Hidden installation in mechanism box with minijack cable for controlling the device.

GW640200

*Energy efficiency

*MET-3C
MET-60A

energy efficiency

MET-3C

Electric consumption meter of up to 3 channels.

Possibility of establishing consumption limits.

Alarm function in case of leaving the thresholds.

Interference to procedures of the interfaces of Bes and Apps of Ingenium.

GW650300

MET-60A

Current transformer of 60A.

GW650060

*KNX
accesories

*USB-K
LIN-K
IPR-K

USB-K

USB2.0 interface device with Type B connector.

Enables a data connection between PC and KNX bus line without need for an extra application program.

Access to every bus device in the KNX bus system for commissioning, addressing, setting parameters, visualization, protocolling and diagnostics.

BD910000

LIN-K

Line coupler. Can be used as a line/backbone coupler or as a line repeater in any KNX network.

Galvanic isolated data connection between two separate KNX bus lines (for both coupler and repeater function).

BD920000

IPR-K

IP routing & tunneling device without external power supply.

Data connection between (upper) KNXnet/IP line and (lower) TP KNX bus line.

Integrated KNX tunneling interface for commissioning, monitoring and diagnostics via ETS.

BD930000

*Power supplies

BFK640-BU   BFK160
BFK640   BFK80
BFK320

BFK640-BU

640mA KNX power supply with possibility of battery connection to maintain active the KNX installation in case of power failure.

Rail DIN mounted (six modules).

PS116410

BFK640

640mA KNX power supply.

29Vdc extra output.

PS116400

BFK320

320mA KNX power supply.

29Vdc extra output.

PS113200

BFK160

160mA KNX power supply.

29Vdc extra output.

PS111600

BFK80

80mA KNX power supply.

29Vdc extra output.

PS110800

*Solutions for hotel

***ROOM CONTROLLER-K
CUBIK-VH**

The best solution
for the hotel

Home automation solutions which make hotel management more effective and efficient. That is what BES offers in this sector. New tools that open a wide range of new functional and management possibilities, and that will facilitate the daily work.

Besides, with home automation system, greater energy savings and greater comfort for the guest are achieved.

ROOM CONTROLLER-K

Complete solution to control a hotel room.

Outputs for light dimming, on/off LED and/or conventional lighting, fancoil, electrovalves and total room on/off.

Inputs for the control and management of all the outputs, as well as inputs for card reader, technical alarm sensors and magnetic door and window detectors.

Integrable device with Cubik SQ and V, and door room device Cubik-VH. Also compatible with any KNX device.

GW669900

CUBIK-VH

MUR/DND device for hotel room.

Includes two icons to distinguish between "Do not disturb" and "Make up the room" modes.

Doorbell button and room number indicator added.
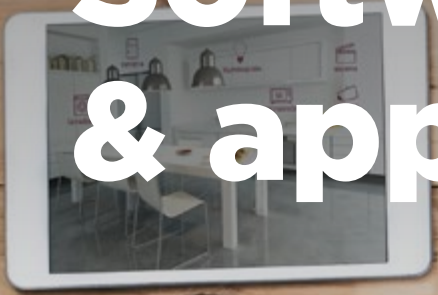
Without display

Design   White: PL221100

Black: PL221200

With display

Basic   White: PL122100

Black: PL122200

Design   White: PL222100

Black: PL222200

*Software
& apps

SIDEKNX - software for programming screens and web servers
APP-iOS - App for iPhone and iPad
APP-Android - App for Android devices
Google Home - Voice control integration for KNX installations
Alexa - Voice control integration for KNX installations
Online design tool for CUBIKs - Página 14

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